SRFvh 4011

Laboratory refrigerator with convection cooling **Perfection**





Freestanding

LIEBHERR

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Laboratory refrigerator with convection cooling **Perfection**





Int. dimensions in mm (w/d/h) 460/423/1660 Energy consumption in 365 days 389 kWh Ambient temperature range +10 °C to +35 °C Heat output 463 kJ/h Refrigerant R 600a Frequency / voltage 50 Hz / 220-240 V- Cooling system forced-air Defrosting automatic Temperature range +3 °C to +16 °C Gradient / max. fluctuation 3.0 °C / 2.4 °C Housing material/colour steel / white Door material glass Liner Material commercial grade moulded polystyrol Type of Control 2.4 °t touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch Adjustable Shelving 7 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Gross/net capacity	420/297 l
Energy consumption in 365 days 389 kWh Ambient temperature range +10 °C to +35 °C Heat output 463 kJ/h Refrigerant R 600a Frequency / voltage 50 Hz / 220-240 V- Cooling system forced-air Defrosting automatic Temperature range +3 °C to +16 °C Gradient / max. fluctuation 3.0 °C / 24 °C Housing material/colour steel / white Door material glass Liner Material commercial grade moulded polystyrol Type of Control 2.4" touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf facading 45 kg	Ext. dimensions in mm (w/d/h)	597/654/1884
Ambient temperature range +10 °C to +35 °C Heat output 463 kJ/h Refrigerant R 600a Frequency / voltage 50 Hz / 220-240 V- Cooling system forced-air Defrosting automatic Temperature range +3 °C to +16 °C Gradient / max. fluctuation 3.0 °C / 2.4 °C Housing material/colour steel / white Door material glass Liner Material commercial grade moulded polystyrol Type of Control 2.4° touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf facading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports	Int. dimensions in mm (w/d/h)	460/423/1660
Heat output 463 kJ/h Refrigerant R 600a Frequency / voltage 50 Hz / 220-240 V- Cooling system forced-air Defrosting automatic Temperature range +3 °C to +16 °C Gradient / max. fluctuation 3.0 °C / 2.4 °C Housing material/colour steel / white Door material glass Liner Material commercial grade moulded polystyrol Type of Control 2.4" touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports	Energy consumption in 365 days	389 kWh
Refrigerant R 600a Frequency / voltage 50 Hz / 220-240 V- Cooling system forced-air Defrosting automatic Temperature range +3 °C to +16 °C Gradient / max. fluctuation 3.0 °C / 2.4 °C Housing material/colour steel / white Door material glass Liner Material commercial grade moulded polystyrol Type of Control 2.4" touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock <th>Ambient temperature range</th> <th>+10 °C to +35 °C</th>	Ambient temperature range	+10 °C to +35 °C
Frequency / voltage 50 Hz / 220-240 V- Cooling system forced-air Defrosting automatic Temperature range +3 °C to +16 °C Gradient / max. fluctuation 3.0 °C / 2.4 °C Housing material/colour steel / white Door material glass Liner Material commercial grade moulded polystyrol Type of Control 2.4" touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinge	Heat output	463 kJ/h
Cooling system forced-air Defrosting automatic Temperature range +3 °C to +16 °C Gradient / max. fluctuation 3.0 °C / 2.4 °C Housing material/colour steel / white Door material glass Liner Material commercial grade moulded polystyrol 7ype of Control 2.4° touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Refrigerant	R 600a
Defrosting automatic Temperature range +3 °C to +16 °C Gradient / max. fluctuation 3.0 °C / 2.4 °C Housing material/colour steel / white Door material glass Liner Material commercial grade moulded polystyrol Type of Control 2.4" touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Frequency / voltage	50 Hz / 220-240 V~
Temperature range +3 °C to +16 °C Gradient / max. fluctuation 3.0 °C / 2.4 °C Housing material/colour steel / white Door material glass Liner Material commercial grade moulded polystyrol Type of Control 2.4" touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Cooling system	forced-air
Gradient / max. fluctuation 3.0 °C / 2.4 °C Housing material/colour steel / white Door material glass Liner Material commercial grade moulded polystyrol Type of Control 2.4" touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Defrosting	automatic
Housing material/colour steel / white Door material glass Liner Material commercial grade moulded polystyrol Type of Control 2.4" touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Temperature range	+3 °C to +16 °C
Door material glass Liner Material commercial grade moulded polystyrol Type of Control 2.4" touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Gradient / max. fluctuation	3.0 °C / 2.4 °C
Liner Material commercial grade moulded polystyrol Type of Control 2.4" touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Housing material/colour	steel / white
Type of Control 2.4" touch & swipe colour display Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch Adjustable Shelving 9 Shelf material Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Door material	glass
Alarm in case of malfunction visual and audible Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate Switch switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Liner Material	commercial grade moulded polystyrol
Power failure alarm immediately upon power failure for at least 12 hrs volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical	Type of Control	2.4" touch & swipe colour display
volt-free alarm contact yes Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate Switch switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Alarm in case of malfunction	visual and audible
Interface WiFi/LAN Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate switch switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Power failure alarm	immediately upon power failure for at least 12 hrs
Data logger integrated, USB interface Interior light vertical LED light strip recessed in left wall with separate Switch 9 Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	volt-free alarm contact	yes
Interior light vertical LED light strip recessed in left wall with separate switch Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Interface	WiFi/LAN
Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Data logger	integrated, USB interface
Adjustable Shelving 9 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Interior light	vertical LED light strip recessed in left wall with separate
Aujustable Shetving 7 Shelf material wire shelves plastic-coated Usable shelf area in mm (w / d) 460 / 423 Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site		switch
Usable shelf area in mm (w / d) Shelf loading Maximum total load Access ports Type of lock Door hinges Maximum total load Access ports Construction	Adjustable Shelving	9
Shelf loading 45 kg Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Shelf material	wire shelves plastic-coated
Maximum total load 225 kg Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Usable shelf area in mm (w / d)	460 / 423
Handle antimicrobial handle with opening mechanism Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Shelf loading	45 kg
Access ports 1 x Ø 10 mm Type of lock mechanical Door hinges right, reversible on site	Maximum total load	225 kg
Type of lock mechanical Door hinges right, reversible on site	Handle	antimicrobial handle with opening mechanism
Door hinges right, reversible on site	Access ports	1 x Ø 10 mm
	Type of lock	mechanical
Gross/net weight 87/80 kg	Door hinges	right, reversible on site
	Gross/net weight	87/80 kg

Features



DIN 13277 compliant

Laboratory and pharmacy refrigerators from Liebherr meet all the necessary features and performance criteria to fully comply with DIN 13277. DIN 13277 defines the requirements and test specifications for refrigerators and freezers used in laboratories and for storing medicinal products.



±2 °C temperature stability

Temperature fluctuations must be minimal to ensure that the quality of sensitive substances is preserved. Liebherr appliances have an impressive maximum deviation of just ±2 °C from the set temperature. This not only maintains the storage climate, but also the value of your stored goods.



Easy to clean interior

The plastic inside container is made of polystyrene: a fully recyclable, robust, and odourless plastic. Manufactured seamlessly from one piece, it has no hidden dirt traps and the large corner radii can be cleaned quickly and easily. The perfect combination of sustainability and hygiene.



Ultraefficient

Energy-efficient refrigerators and freezers help with ever increasing electricity prices. Liebherr fully utilises the savings potential of every component – from the compressor to the seal, to the lighting and electronics. The ultra-efficient appliances in the Perfection series for example demonstrates how this has a positive effect on your overall operating costs.



+2 °C SafetyDevice

If the temperature in the appliance drops below +2 °C due to a malfunction, the +2 °C SafetyDevice function takes control, which keeps the temperature stable and activates an alarm. Sensitive substances are protected from freezing and you are notified immediately.



Integrated WiFi/LAN interface

Connect and go: The appliance can be easily networked with external systems, such as SmartMonitoring from Liebherr via the integrated WiFi and LAN interface. Thanks to the digital monitoring solution, the storage temperature is controlled and documented via the interface in an effortless, safe, and convenient way.



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Technical drawing



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